IN THE CLAIMS:

1-20. (Canceled)

21. (Currently amended)   A three-dimensional (3D) display device comprising a backlight, the backlight comprising a planar light guide through which light is guided transversely by internal reflection, wherein regions of the light guide are configured to direct light propagating within the light guide by internal reflection, out of a face of the light guide without passing through the light guide after being directed by the regions so as to form a plurality of line light sources, the regions comprising grooves filled with a material having a higher refractive index than the light guide, wherein the material which fills the grooves is formed as a layer extending across an upper surface of the light guide, the thickness of the layer being less than a period of the grooves.

22. (Currently amended)   The 3D display device according to claim 21, wherein said regions comprise grooves are positioned on the face of the light guide through which light propagates out of the light guide.

23. (Cancelled)

24. (Previously Presented)   The 3D display device according to claim 22, comprising cylindrical lenses disposed within the mouths of each groove.

25. (Previously Presented)   The 3D display device according to claim 24, wherein the cylindrical lenses are formed integrally with the material which fills the grooves.

26. (Currently Amended)   The 3D display device according to claim [[23]] 21, wherein the material is Poly(naphthyl methacrylate).

27. (Withdrawn)   The 3D display device according to claim 23, wherein the material is a composite material.

28. (Withdrawn) The 3D display device according to claim 23, wherein the material is birefringent.

29. (Withdrawn)   The 3D display device according to claim 28, wherein the material has a refractive index substantially equal to that of the light guide in a polarization direction perpendicular to the grooves and a refractive index greater that that of the light guide in a polarization direction parallel to the grooves.

30. (Withdrawn)   The 3D display device according to claim 28, wherein the material is a stretched polymeric film.

31. (Withdrawn)   The 3D display device according to claim 30, wherein the material is one of Poly-Ethylene-Terephtalate (PET) and Poly-Ethylene-Naphtalate (PEN).

32. (Cancelled)

33. (Previously presented)   The 3D display device according to claim 22, wherein the grooves have a V-shaped cross-section.

34. (Previously presented)   The 3D display device according to claim 21, wherein the light guide is made from Poly(methyl methacrylate).

35. (Previously presented)   The 3D display device according to claim 21, comprising a light source disposed adjacent to at least one side face of the light guide.

36. (Previously presented)   The 3D display device according to claim 35, wherein the light source is one of an LED and a CCFL.

37. (Previously presented)   The 3D display device according to claim 22, comprising a backlight and a display panel.

38. (Previously presented)   The 3D display device according to claim 37, wherein the grooves of the light guide are skewed by an angle relative to columns of sub-pixels of the display panel.

39. (Withdrawn)   The 3D display device according to claim 37, comprising a light diffuser disposed between the backlight and the display panel, wherein the light diffuser is switchable between a high scattering mode and a low scattering mode.

40. (Withdrawn)   The 3D backlight according to claim 21, wherein the light guide comprises a non-pattered substrate and a micro-structured foil.

41. (Currently Amended)   The 3D display device according to claim [[23]] 21, wherein the material is not birefringent.

42. (Currently Amended)   The 3D display device according to claim 21, wherein the regions further comprise microstructures positioned on the face of the light guide through which light propagates out of the light guide.

43. (Previously Presented)   The 3D display device according to claim 21, wherein the regions are arranged such that light exits the light guide at positions coinciding with the regions.